Body short, front part elevated, compressed or elongate and front part not differentiated by its height from porterior part. Eye large. mouth cleft vertical or nearly so. Small teeth in jaws, present or absent on vomer. ho barbel. Gill membranes free from isthmus or attached, also sometimes delicately united. Gill rabers well developed. Gills 4. Branchivstegals 5 to 11. Prendobranchiae present or absent. Yeales absent or very loose. Preorbital, postorbital and ocular luminour organs single, on mandibular

symphysis, in branchiostegal membrane and on body in groups; between isthmiss and ventral in ventral and lateral series, between ventral and candal in I series; body without smaller scattered luminous organs; no whitish punctiform organs on fins. Dorsal origin, which may be preceded by spines, median Ar postmedian, Tabove or before and origin lidepose fin low, totally or partly above hunder parttof anal, twhich may be divided. Ventrals small, below-or before dorsal origin.

Minalysis of genera a. An about ventral construction between trunk and tail; no teeth on vomer; dorsal fin preceded by large triangular transparent b. Eyes normal; space between towns and tail filled by transparent integumentary plate; and not divided. Hernoftyy. b. Eyes teleseopie, body hatehet shaped, venttral construction without integumentary plate; anal divided. Argyrofielecus. a. ho abrupt ventral construction between trunk and tail; eyer normal; teeth on womer', dorsal fin preceded by forbed spine, anal not durided. Totychnus!

630 Genus Sternopty Hermann, Der haturforscher, pt. 16, 1781, p. 33. Type Hternofityy diaphana Hermann, monotypic. Sternopting Givier, Keigne Unimal, vol. 2, 1817, p.171. Type Sternoptyy stiephana Hermann. Body greatly elevated, compressed. Anout very short. Eye large, mouth cleft subvertical, upper edge formed by very short premaxillaries and maxillarier. Lower jaw received in upper, hind lower angle with short spine, as also I at prieopercle angle and symphysis of humeral

bones. At pelvie symphysis 2 spines, I directed forward, smaller backward, Bifid spine behind vent. humerous small unequal teeth in jaws, none on palate. Gell opening very wide, membranes Joined to isthmus. Till rakers. moderate. La scales. Luminoux organs I below and I behind lye, I opercular, group on branchiostegals, group on isthmus, series along ventral edge, series between ventrals and unals, above anal, behind anal,

above pectorale. Dorral origin. portmedian. Erpper edge of predorsal plate dentated and strong spine along itt hund edge. Low adepose fin reaches nearly from dorsal to candal. Candal broadly forked. Linal on tegumentary abdominal fold between trunk and tail. Pectoral low, extends beyond small ventral.

Sternoptyy stiaphana Hermann Sternoptyy diaphana Hermann, Wer hateurforscher, pt. 16, 1781, p. 8. pl. 1. figs.1-2. Jamaica. – Imelin, Hyst. hat. Linn., vol. 1, 1789, p. 1150 (copied). _ Walbaum, Wrtedi Pisc., vol. 3, 1792, p. 698 (copied). - Schneider, Hyst. Dohth. Block, 1801, 7. 494 (copied). - Hermann, Obs. Bool. Fisher, 1804, 74.301, 328 (copned). __ Valenciennes, Hist. hat. Vous., vol. 22, 1849, - Miner, Rep. U. V. Fish Comm., pt. 11, 1883 (1885), p. 1-96 (N. 38°44' W. 72°38', 1209 fathoms). -1864, p. 387 (compiled). Rep. Voy. Challenger, vol. 22, 1887, p. 169, pl. 45, figs. W-W'

Hternoptyy diaphana Hermann, Wer hatterforscher, pt. 16, 1781, p. 8, pl. 1. figs. 1-2. Januica. - Imelin, Hyst. hat. him., vol. 1, 1789, p. 1150 (copied). _ Walbaum, Wrtedi Visc., vol. 3, 1792, p. 698 (copied). - Schneider, Hyst. Dohth. Block, 1801, p. 494 (copied). - Hermann, Obr. Bool. Fisker, 1804, 74.301, 328 (copned). Valenciennes, Hist. hat. Vous., vol. 22, 1849, p.415 (25 leagues north of Vaint Helena) W. Long: 45°h. Lat. 29° fran skark stomach). - Güntker, Cat. Fisher Brit. hus, vol. 5, 1864, p. 387 (compiled). Rep. Voy. Challenger, vol. 22, 1887, p. 169, pl. 45, figs. W-W

- Vaillant, Exped. Vci. Travailleur et Talisman, Pois, 1888, p. 102 (coast of morocco, agores; - Goode and Bean, Oceanic Schth., 1895, p. 124, pl. 39, fig. 146 off Santa Cruz, 508 meters; N. 13° to 41° W. 18° to 62°, 229 to 1686 meters; Grand Banks, 150 fathous. vol. 19, 1896, p. 416 (Hawaiian Islands), in 3/3 fathoms N. Aleoch Journal.

- Jordan and Evermann, Bull. U. V. hat. hus., ho.
47, ft. 1, 1896; p. 603 (compiled) 331 (off halabar coast, in 112 to 93/ Fathons) Cat. Deep Hea Fishes Indian hus, 1999, p. 136 (Krabian Hea; off malabar coast; 912 to 931 fathoms). Lilbert, Bull. U. V. Fish Comm., vol. 23, pt. 2, 1903 (1905), p. 609 (off north molobai, south of Dahn;

(south of hustralia, Kermadee Islands; Philippines; north of hew Guinea, south of Geddo; in 500 to 2500 fathous. - Goode and Bean, Oceanic Schth., 1895, p. 124, pl. 39, fig. 146 Off Hanta Cruz, 508 meters, - Gilbert and Gramer, Frow. U. H. hat. hus, vol. 19, 1896, J. 416 (Hawaiian) Islands, in 3/3 fathoms). Lelevela, Journ. Usiatic Voc. Bengal, vol. 65, pt. 2, 1896, p. 331 (off halabar coast, in 912 to 931 fathous) Cat. Deep Hea Fisher Indian hrus, 1899, p. 136 (Krabian Hea; off malabar coast; 912 to 931 fathoms). Dilbert, Bull. U. H. Fish Comm., vol. 23, pt. 2, 1903 (1905), p. 609 (off north molokai; south of Clahu;

near Kanai, Kaiwi Channel, Burd Island, 293 to 1024 fathoms). - Brawer, Deutsch. Tiefsee Exped. Valdivia, vol. 5, Trefsee-Fische, 1906, p. 115, text figs. 56-63 (south of Canaries); off Sherra Lone; Gulf of Guineal; off south west Elfrica between Congo mouth and Cape Colony; between hew Consterdam and Humatra; Bengal Bay; between Ceylon and maldives; between Neychelles and Janzibar; west of Chagon. - Waite, Records Canterbury hour, vol. 1, ho. 1, April 25, 1907, p. 11 (reference). - grigmayer, Res. Camp. Vci. monaco, vol. 35, 1911, p. 54, pl. 2, fig. 5 (N. °31° to 36° W. 4° to 42°, 1400 to 5100 meters). _ hurray and Hjort, Depths of the Ocean, 1912, p. 612 (Gibralter to Gran Canaria, Thence to Fayal, lezores to

- horman, Descovery Rep., vol. 2, 1930,

hewfoundland, thence to Glasgow, 1215 to 3886 fathoms). - Weber, Viboga Exped., vol. 57, Fische, 1913, p. 22 (Bali, Flores, Celebes Heas, Inolucca Tassage, mulinipa Strait, Ceram, Banda, Timor Seas, 828 to 2477 meters). - Weber and Beaufort, Fiskes Indo Kustral Urchipelago, vol. 2, 1913, f. 132, fig. 48 (above materials). - Tappenheim, Weutsch. Sudpolar Exped. vol. 15, pt. 2, 1914, p.183 (5.10° to 23° W.6° to 20°, 1200 to 3000 meters; N.5° to 17°W.21° to 29°, 1500 to 3000 meters). __ Jespersen, Rep. Danish Deeanogr. Exped. Medit., 20.3, vol. 2, a. 2, april 15, 1915, p. 28, __ Roule, Rés. Camp. Vci. monaco, vol. 52, 1919, p. 24

Argyropelecux olfersii (Cuvier) Sternopting offersie Cuvier, Regne Unimal, ed. 2, vol. 2, 1829, f. 316. Atlantic Ocean. Argyropelecus olfersii Galenciennes, Hist. hat. Toiss, vol. 22, 1849, 7. 408 (houth east of Cape of Good Hope; between Canaries and Brazile). - Bleeker, haturks. Tydschr. hederl, Indie, vol. 21, 1860, p. 56 (reference). Urgyropelecus olfersi Günther, Cat. Fishes Brit. mus., vol. 5, 1865, p. 386 (compiled); Rep. Voy. Challenger, vol. 22, 1887, p. 167 (off Cape Finisterre). _ Goode und Bean, Oceanic Ichth., 1895, p. 126/pl. 39, fry. 148 attantie materials). - Braner, Deutsch. Tiefsee Typed. Valdivia, vol. 5, Tiefsee-fische

(south east of Pico, azores, 1748 meters; between Pico and Vao Jorge; Cape Finisterre, 3500 meters, between Vortugal and lizores, 2100 meters). _ Vaillant, Res. Camp. Vci. monaco, vol. 52, 1919, p. 129 (N.32° to 39° W. 17° to 26°, 1940 to 426/meters). - Gilchrist and Von Bonde, Fisher. harine Biolog. Hurvey Youth africa, Rep. ho. 3, 1922 (1924), 20.7, p.9 (off Cape Coint, 312 to 1014 fathous). _ Barnard, Cinn. South african mus., vol. 22, June 1925, fr. 154 (compiled). _ horman, Descovery Rep., vol. 2, 1930, p. 305 (5.00° to 35° où N.5°, W.00° Fo 19° ov £. 4° to 16°, 125 to 2700 meters).

near Kanai, Kaini Channel, Bird I sland, in 293 to 1024 fathoms. — Braver, Deutsch. Tiefsee Exped. Valdivia, vol. 5, Tiefsel-fischer, 1906, p.115, text figs. 56 - 63 (between hew unsterdam) and Humatra; Bay of Bengal; between Ceylon and maldives; between Veycheller and Jansibar; west of Chagos terchipelago. -Waite, Records Canterbury hous, wol. 1, ho. 1, Up. 25, 1907, 7/11 (reference). - Weber, Niboga Exped., vol. 57, Fischer, 1913, pr. 22 (Bali, Floren, Celeber Lean, Inolucca) Tassage, malinipa Athait, Geram, Banda, Timer Heas, in 828- to 2477 meters). -Weber and Beaufort, Tisker Indo Unstral. Sternoptyx diaphanus Lithen, Kon.
Dansh, Vidensh. Felsh. Ibar.
Köbenhavn, Ler. 6, vol. 7, 1892, p. 283

(S. 4° £.87°50'; S. 19°30' W. 26°; N. 28° W. 35°;

N. 30° W. 19°; N. 46° W. 24°). _ Collett, Rex.

Camp. Sci. humaro, vol. 10, 1896, p. 125

(N. 44° 1'26"£: 15°31'; N. 38°33'21"£. 30°28'54";

1300 meters).

Lignops stignations Gill, Proc. U. V. hat. Mus., vol. 6, 1883 (1884), p. 256. h. Lat. 38° 19'26" W. Long. 68° 20'20", in 2361 fathoms. (Gulf Stream).

Aslaborenaterials Sternoftyg hermanni Lacepede, Hist. hat. Poiss., vol. 5, 1803, pp. 612, 613 (on Hermann). ? Aternofityx obscura Garman, mem. mus. Comp. Zoot., vol. 24, 1899, p. 232, pl. 53, fig. 1. N. 1° to 7° ors.0° W. 78° to 89°, 134 to 1832

Depth 11/10 to 11/8; head 23/5 to 3, width 13/4 to 2. Inout 33/3 to 5 in head from snout tip, eye 14/5 to 17/8, greatly exceeds snout or interorbital; maxillary reaches 15 to 14 in eye, length 115 to 11/4 in head from snout tip, interorbital 34/5 to 41/5, low, with deep median groove. Gill rakers 4+7, lancedlate, slender, subequal with gill filaments or 13/4 in eye. Anall photophore in angle of preopercle ridge; I postorbital, close behind upper hind eye edge, less distinct with age; I'm lower portion of operale behind preoperale spine; 3

Lateral series of photophores as 3 close set at same level little above to little below level of pretoral Lin origin; lower or ventral series as 5 on isthmus, 10 abdominals, 3 well elevated ventrals, 3 above transparent area above anal base with single small photophore slose in advance and still higher, then 4 or 5-between caudal and anal. D. 10 to 12, List ray 2 to 3 in total head length, a. 12 to 14, fine height 3 to 3 15; candal 1 to 11/8, well forked; least depth of candal peduncle 21/5 to 23/4; pertoral 1 to 13/4; ventral 3.

Silvery white, including iris. Back and head rabove brownish: Fine pale to whitish. Atlantic, Indian and Pacafic Oceans. 4318. D.5671. Chenoki Point, S. 31°£, 42.5 miles (5.1°5' F.118°56'), macassar Strait. In 960 fathoms. December 30, 1909. Length 48 mmi. 4788. D. 5317. China Sea, vicinity Formora (N. 21°36' F. 117°27'). In 230 fathorns. hovember 5, 1908, Length 18 mm. (3° W., 10.8 miles (N.0°16'28" F.121°33'30"), Julf of Jomini, Celebes. In 834 fathoms. hovember 17, 1909. Length 54 mm. 1503.
D. 5320. China Hea, vicinity Formora (N.20°)
58' E. 120°3'). In 1804 fathank. Lovember 6,1908.
Length 15 to 41 mm. 3 examples.

D. 5437. Hermana mayor Light, N. 69° F., 4, 9 miles (N. 150 045' 54" F. 119° 42' 45"), west coast of Luzon. may 8, 1909. Length 30 to 52 mm. 2 examples. D. 5185. Luxaran Light, N. 23° F., 25.50 miles (N.10°5'45" E.122°18'30"), between Tanay and hegros . In 638 fathous. march 30, 1908. Length 18 mm. D. 5618. March Island, 5.69° F., 7.8 miles (N. 0°37' E. 127°15'), Inolucea Parrage. In 417 fathoms. hovember 27, 1909. Length 28 mm. D. 56/19. march Island (S.) S. 780 E., 7 miles (N.0°35' E. 127°14'40"), holucea Tassage. In 435 fathoms. november 27, 1909. Length 21 mm. D. 5647. horth Island (S.), S. 87° E., 11.6 miles (S.5°34' E. 122°18' 15"), Buton Strait. In 519 fathoms. December 16, 1909. Length 22 mm.

N. XI, 15, I, thered spine 2 to 2 75 in head, seventh ray 1 15 to 14/5; li. III, 9, I, second spine 3/4 to 3/2, fifth ray 1/3 to 13/4/ candal 1/4 to 1/13, emarginate; least depth of candal pedernele 2 1/8 to 3 1/4; pectoral 1 1/5 to 1 1/4; ventral 1 1/5 Light brown to whitish generally, Each seale on body with small white spot. Broad dark brown bund from rice of mont, wide an eye, to veriguet or fust before spinous dornal Herend broader narte brown bund from middle of spinous dorsal about and expanding below to imbrace ibunen. Third Harts brown band from entere front of roft dorsal and last dorsal spiner foun and wiching buck and oblignely en candal peduncke along lower randal lobe to its tip, called

D. 5-349. Soint Tabonan, N. 85° E. 45.2 miles (N.10°54' E.118°26'20"), Palawan Tassage. In 700 fathoms. December 27, 1908. Length 28 mm. 9561. D. 5632. Helang Point (Bachian Island), N. 560° W., 12,5 miles (N.10 E.127°50'), south of Patiente Strait. In 845 fathoms. December 2, 1909. Length 40 mm. 19868. D. 5460. Sialat Foint Light N. 24° E., 8.2 miles (N. 13°32'30" E, 58° 6'), June 10, 1909. Length 65 mm. 22,50. D. 5463. Hialat Count, Maria Light, S. 74° E., 3.9 miles (N. 13°40' 57" E. 123°57'45"), east coast of Lugon. In 300 fathoms. June 16, 1909. Length 50 mm.

lober terminally surlay. Lower and edge dusky, Wentral largely dusky, expecially terminally. Red Hear, Erabia, Zanzibar, hvzambique, Rennion, India, Gian, Kingapore, East Indier, Thilippiner, Lucusland, hekanesia, It very handsome species with stribeing Color pattern. Bleekser given the maximum If 14 examples for 260 mm. The dark bunds are relatively much wider in Russell's Bottarvoo champe in a good Fisker of Commandel, vol. 1/1803, p.77, pl. 77. Vizagerpatum. representation of their fish. He gives its length as 250 mm. Deacope siamensis balenciennes is rescribed with: D. II, 10; M. III, 11; length 305 mm.

D. 5/20. Hombrero Island, S. 79°30' E., 19. 2 miles (N. 13°45'30"E, 120°30'15"), Balayan Bay and Verde Island Passage. In 393 fathoms. January 21, 1908. Length 26 mm. D. 5287. Hombrero Island, N. 68° F., 11. 25 miles (N. 13° 37'40" F. 120° 39"), China Lea, vicinity southern Lugon. In 379 fathous. July 20, 1908. Length 15 mm. 26235 U.S.N.M. Off Grand Banks. In 150 fathoms. Ichooner Guy Curningham! You th 31 mm. Length 31 mm. N. 870 W. 74000'00" 32659 U.S.N.M. . Length 44 mm. albatrons Station 33471 U.S.N.M. N.41013'W.660050". Albatross Station 2076. In 906 fathoms. Length 19 to 27 mm. 2 examples. 33563 U.S.N.M. N.39°18'30" W.68°24'. In 1686 fathoms. Albatrons Stateon 2101. Length 36 mm. N. 13 032'40' W. 62 254'60" 44590 U.S.N.M. Melbatrons Stateon. . Length 30 mm.

47719 U.S.N.M. 21 15 'W. 157 30' albatross Station 3473. Length 30 mm. 53052 U.S.N.M. N.3509'50"W.74057'40" In 938 fathoms. Wilbatross Station 2111. Length 3/2 to 36 mm. 2 examples. 55288 U.S.N.M. albatross Station 4111. Length 33 mm. 55289 U.S.N.M. albatross Station 3888. Length 28 mm. albatrons Station 4155. Length 22 mm. 55291 U.S.N.M. albutross Station 4026. Length 25 mm. 57884 U.S.N.M. 116°17' W.82°65'. 1672 from. Albatross & tation 3360. Length 33 mm., without candal. albatross Station 3380. Length 40 mm, without condal.

albutross station 3388. Length 27 mm, without candal. All as Atternofityy observa. 83889 U.S.N.M. albatross Station 2657. Length 3/ mm. 84096 U.S.N.M. Enauna Low, Hawaii. J. Reinhardt. Length 28? mm., dry example. Jes Polysprus multtingi. 84497 U.S.N.M. Albatross Station 2656. Length 20 mm. 89912 U.S.N.M. N.32°50'W.64°18. hus. Comp. Bool. ho. 38. Atation 323. Length 24 to 38 mm. 6 examples. Texample U.S. N.M. Cellatross Station 2553. Length 20 mm. Albatross Station 4657. Length 34 mm.

Genus Argyropelecus Cocco Argyropelecus Cocco, Archiv. R. acad. Petoritano, 1829, p. 146. Type Argyropelecus henrigymmes Cocco, monotypic Heurothyris Lowe, Hist. Fisher madeira, 1843, p. 64. Type Sternopting offersie Cuvier, monotypuc. Sternoptychides Egilby, Prov. Linn. For. hew Nouth Wales, ser. 2, vol. 3, 1888 (1889), f. 1313. Type Sternoptychides anabilis. Qilby, morotypie. Body compressed, thou, front porten multi-higher than present, thout ventral side with an unteres and 2 porterior spines. Upper pair

edge formed by fremagillary und curved majellary, which enclose mandable, which Lurnished with prominent hook at kymphysia and at lower hind angle. Talatines with now of small curved teeth. Treopercle ventrally with 1 or 2 spines, Gill opening wide, membranes free from isthmus and each other. Till rabers Long. Branchiottegals 9. ho scales. Luminous organs on head before and below eyes, on operale, group on branchivitegals, ventral and

lateral series on trumb, 3 groups on tail. Tredorsal plate serrated, followed by 7 to 9 rays before anal. Long low-adipose fin present. Caudal delply emarginate. Pectoral ling, low, Ventral very small.

analyses of species a. Photophores in nearly continuous series. b. Defith (without dorsal ridge) 2/3 to 2/1, predorsal ridge rather low, length of exposed portion of last sprine more than twice in dorsal fin base. Aftenis. b. Depth (without sdors al ridge) 14/5 to 2; predorsal ridge higher, length of exprosed portion of last spine 13/5-to 12/3 in dorsal fin base. gigas. a. Portabdominal photophores in 3 groups as preanal, supraanal and fearedal. C. Lingle serrated abdominal spine; supragnal photophore separated from preances by space more than half length of supraanals and from earled by space greater than supraanal serves length. hemigylmnur.

c. Fair of smooth abdominal sprine; supragnal photophore separated from freamals by very short interspace and from caudal by space less than length of the supraanal series. d. Hind abdominal spine larger than anterior and directed Louvards; adults with dorsal land abdominal ridges serrated and with double seriet of spines on lower edge of candal pedentle. aculeatus. d. abdominal spines subequal or anterior longer; dorsal and and abdominal ridges not serrated; no spines on chudal peduncle. e. Lower preopercle spine curved, upper very small or absent; depth 1/2 t. offersi.

e. Lower preopercle spine straight, upper moderate or small, directed backwards; depth 13/5. Madeni.

Argyropeleeus affinis Garman, hrem. mus. Comp. Bool, vol. 24, 1899, p. 237. h. Lat. 15°24 40" W. Long. 63°3/30", m683 meters. - Braner, Deutsch. Tiefsee Exped. Valdivia, vol.15, Trefsee-fische, 1906, f. 103, text figs. 43-44, pl. 7, fig. 1 (Bay) of Bengal; Chagor Islands; west of Leychelles, north east coast of lifrica and Gulf of deden; in 1000 to 2500 meters. Regan, Trans. Linn. How, London, ser. 2, vol. 12, Bool., 1908, p. 218 (in 750 to 1000 Luthoms near Farguhar letoll). -Jerhersen and Jaaning, Rep. Wanish Deeanogr. Collection, Exped. Medit., ho.;

vol. 2, a. 2, 1915, p. 6. — Journsend and Michols, Bull. amer. mus. hat. Hist., vol. 52, art. 1, may 16, 1925, p. 11 (31° off. Todor Hanton Bay, Lower California), 868 fathoms). _ Barnard, Kinn. Youth African hus., vol. 21, June 1925, p. 152, frl.8, fig. / (compiled). _ horman, liscovery Rep., vol. 2, 1930, p. 301/N. 8º12' W. 18°49', 450 to 500 meters. Argyrofrelecus hemigymnus (not Cocco) You'de and Bean, Oceanie Dehth., 1895, p.l. 39, fig. 147. ? Argyropelecus elagatus Esmarla, Forh.

Vid. Velsk. Christiania, 1870, p. 489.

Skibsförer Thoresen i Tönsberg i det
chinesiske Hav.

Genus Polymetime Inc Culloch Polymetime Inc Culloch, Biol. Results Endeavour, vol. 15, pt. 4, June 8, 1926, p. 167, Type Polymetime illustria Inc. Culloch, monotypic.

Depth 2 to 2 1/4; head 3 to 3 1/8, width 21/5. Unout 33/4 to 37/8 in head from snout tep; eye 21/5 to 2/2, greatly exceeds anoutor narrow interorbital; maxillary reaches 1/3 to 12 in eye, expransion 1/2 to 1/1/8 in eye, length 1 to 11/5 in head from snout tip; interorbital narrow bony frenum barely 1/8 of eye. Gill raters 8+13, finely lanceolate, 11/2 in eye; gill Felaments 12/3 in eye. Preorbital photophore close below nortriks; Ion cheek at ungle of preoperate ridge; 2 operaulari, upper opposite lower part of eye,

lower just above and close behind preopercle angle; 6 branchiostegals. Epper lateral photophores 8 between pertoral and ventral, second highest or level with theels photophore, first and third lowest, then thered to eight gradually higher until eight high as second, lower or ventral teries Con isthmus, 12 aboliminal of which "a bestorn trade", & hetween wentral and and, 11 From Front of and to coudal base of which to retire and di VIII-re IX, 7, frist flegible ray 378. in total head lingth, Mills,

Lin height 4/4!; randar 17/3! alumninged, thust depth of country permete 3' personer 115 to 115 ventral Largely silvery white, upper part of head and back brownish. Dris silvery gray. Thotophores selvery or fale yellowish white, with surrounding tissues blackeish. Attantice, Pacifice and Indian Wearns. 44593 U.S.N.M. N.15°24'40" W.63°31'30". In 683 fathoma. Albutross Station 2117. Length 35 mm., candal tost. 87563 U.S.N.M. Off Lower California. In 930 fathoms. Calbatross Station 5686. Kength 45 mm, candal lost.

lenggropeleeus gigas horman Argyropelecus gigas horman, Discovery Rep., vol. 2, 1430, p. 302, fig. 10. 32°45'W.8°47',650 meters;5,2°49°30"W. 9°25'30", 800 to 1000 meters. Depth 17/8; head 3 14 to 3 3/4. Unout 3 1/10 in head from snout tip ; eye 3/10, subequal with snout; maxillary lextends 13/4 ege diameters below ege, Ahrid end medutay in eye, expansion equals eye, length 1/5 in head from snout tip, no I very long teeth sh' lower jaw, " kalatines toothless of very few feeble teeth anteriorly; preoffekcle with strong, straight or sligthtly curved downwardly Indirected spine lat Vangle, above which much smaller spire derected outwards. Lower gill rubers 11. Onle operentar photophore, elose above level of lower edge of orbit. Lateral series & between pectoral and ventral, first 2 higher and others subequally low. Ventral series & before

Sternoptychides Bilby, Proc. Linn. Vor. Lew-Youth Wales, ser. 2, vol. 3, 1888 (1889), J. 1313. Type Sternoptychides ampbilis Ogilby, monotypie.

pectorals then 10 between pectoral and ventral, 4 between ventral and anal and 10 from anal origin To caudal of which 6 over anal. Predorsal ridge ratter high of 6 graduated spines up to last, which 3 1/2 in head; D. 9, sixth ray 21/10; adipose fin low, length 11/3; le. 13, third ray 3; candal 17/8; least depth of caudal pedemole 21/5; pectoral 13/4; ventral 6. (horman.) Length 87 mm. littantic.

argyropelecus hemigymnus Cocco argyropelecus hemigymnus Cocco, archiv. R. Acad. Peloritano, 1829, p. 146. messina. _ Bonaparte, Sconogr. Fauna Italiea, vol. 3, pt. 1 Pesci, fasc. 28, 1840, no pagination (Italy); Cat. metod. Pese. Europ., 1846, p. 37 (mediterranean). -Valenciennes, Hist. hat. Tours, vol. 22, 1849, fr. 398 (haples, messina, hue). - Tienther, Cat. Fisker Brit. Mus., vol. 5, 1865, p. 385 (messina; mediterranean); Rep. Voy. Challenger, vol. 22, 1887, J.167 (between Thettand and Farol Islands. -Maillant, Exped. Vei. Travailleur et Talesman, Tous., 1888, p.103 (Gulf of

marsailles, Gulf of Gasseny, Canaries, coast of Portugal, Coast of morocco, 741 to 1534 meters) - Litten, Kon. Dansk. Vidensk. Helsk. Hkr. Köbenhavn, ser. 6, vol. 7, 1892, f. 283 (N. 44° to 45° W. 24 to 26°; N. 39° W. 10°, 180 fathoms. - Elleock, linn. mag. hat. Hist., ser. 6, vol. 8, 189/2 h. 126 Bay of Bengal, 1803 fathous. - Carus, Prodr. Zool. medit, vol. 2, 1893, p. 568 (compiled). _ Goode and Bean, Oceanie Ichth., 1895, p. 126/pl. 39 not fig. 147) (N.39°56' W.70°35-, 245-fathoma). - Jordan and Evermann, Bull. U. F. hat. mus., tro. 47, ft. 1, 1896, f. 605 (compriled). - Aleock, Journ. Lesiatre Voc. Bengal,

vol. 65, pt. 2, 1896, f. 331 (reference); Cat. Deep Hea Fishes Indian must, 1899, p. 135 (Bengal Bay material). Braner, Deutsch. Trifsee Exped. Valdivia, vol. 5, Tiefsee-Fische, 1905, p. 106, text fig. 45 (west of Cape Colony; Bay of Bengal; between hew limsterdam and Humatra; between leylon and Chagos; between Chagos and Zanzibar, 1500 to 2400 meters). Regan, Trans. Linn. Hoc. London, ser. 2, Zool., nol. 12, 1908, p. 219 (diagnoris in key). - Jugmayer, Res. Camp. Sci. Lunaco, vol. 35, 1911, p. 51 (N. 28° to 44° W. 0° to 19°, 520 to 4900 meters). - Fowler, Proc. Acad. hat. Nei. Philadelphia, 1911 (1912), p.

Argyropelecus hemigymmus Cocco, Argyropelecus hemigymmus Cocco, Archiv. R. Acad. Peloritano, 1829, p. 146. messina. Minther, Cat. Fishes Brit. hus, vol. 5, 1865, p. 385 (messina); mediterranean); Rep. Voy. Challenger, vol. 22, 1887, p. 167. (between thetland and Faroe Islands). - Elleoch, Kenn. mag. hat. Hist., ser. 6, vol. 8, 1891, p. 126 (Bay of Bengal, in 1803 fathoms);
- Goode and Bean, Occamic Schith, 1895, 126, pl. 39(not fig. 147) (attentic) - Week,
Fourn. Tisiatic Voc. Bengal, vol. 65, pt. 2, 1896, p.33/ (reference); lat. Deep Hea Fisher Indian mus., 1899, p. 135 Bay of Bengal material. - Braner, Deutsch. Tiefsee Exped. Valdivia, vol.5, Tiefsel-pische, 1905, p. 106, text fig. 45 (west of Cape Colony; Bay of Bengul;

Rés, Camp. Vei. Monaco, vol. 52, 1919, p. 25 (between Hao higuel and Gerceira) azores, 992 meters; Sulf of Gascony; Cape Finisterre, 3500 meters, between Portugal and Azores, 2100 meters, lizores, 2600 meters). - Gaillant, Rev. Camp. Vci. monaco, vol. 52, 1919, fr. 129 (N. 34° 32'8° 44' 45", N. 43°52' W. 9°5'45", 1674 meters, N. 37°54' W. 24°43'15"; N. 38°30'35"W. 28°16'20" 349 meters, N. 32°36' W. 14°27'15"). - Barnard, linn. Nouth african mus., vol. 21, June 1925, p. 153 (off Cape Voint, 156 to 630 fathoms). - Jespersen and Jaaning, Ref. Danish Oceanogr. Exped. medit., ho. , vol. 2, a.12, 1908-10, p. 48. _ horman, Discovery Rep.,

571 (Staly). - Holt and Byrne, Sep. agric. Techn. Instruct. Ireland, Vci. Invest., ho. 1, 1913, p. 21, figs. 76-8 (Irish attantic flope, 208 to 900 fathoms).

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vol. 2, 1930, fr. 303, pl. 2, fig. 4/5. 24° to 35° W. 1° to 13° F. 4° to 15°, 250 to 2500 meters):

Gonostoma rhodadenia (Gilbert) Cyclothone rhodadenia Gilbert, Bull. te. J. Fish Comm., vol. 23, pt. 2, 1903 (1905), p.602, pl.71, fty.1. Kaiwi Channel, in 411 to 442 fathoms; off Kanai, in 409 to 550 fathoms. Gnostoma rhododenia Weber, Viboga Exped., vol. 57, Fische, 1913, p. 18 (Ceram) Yea, in 1914 meters. _ Weber und Beaufort, Fisher Indo Austral, Archipelago, vol. 2, 1913, p. 121 (above materials). - towler, mem. Bishop hus., vol. 10, 1928, 7.34 (compiled). Cyclothone polyphox Jugury, Bull. Inst. Let. 36° 7' W. Long. 10°18', in 4740 meters, 'h. Kat. 36° 6' W. Long. 9°, Vin 3660 meters. (Off Portugal.)

between hew unsterdam und Vumatra; between Ceylon and Chagos turchiftelago; between Chager Urchipelago und Rungilar. in 1500 to 2400 meters). Sternoptyx hemigymnus Valenciennes, Regne Unimal, Fil. Poists., 183/90, pl. 103, fig. 3. Valmo gaster opelecus (not Pallas) Faujas, Cum. huns. Hist. hat. Paris, vol. 8, 1806, p. 370 (Apergia). Lorgyropeleeux d'urvillei Valenciennes, Hist. hat. Polits, vol. 22, 1849, p. 405. huid tetlantie. -Güntker, Cat. Fiskes Brit. hus, vol. 5, 1864, p. ? Trypropeleeux intermedius Clarke, Tr. Proc. hew zealand Inst.,

1. 23, kt. 1, 1903 (1905), h. 601, pl. 72, fig. 1. Wrayropelecus heathi Gilbert, Bull. U.S. Fish Comm., vol. 23, 1903 (1905), p. 601, pl. 72, Jig. 1. Kaiwi Channel, between hawi and holotkai, in 350 to 355 Lathoma. Towler, hem. Bishop mus., Nol. 10, 1928, 7.35 (alika, Hawaii).

between hew timsterdam and Vumatra; between Ceylon and Chagos wichipelago; between Chager Urchipelago und Janzilar. in 1500 to 2400 meters). Sternofitig mediterranea Cocco, Cisa pesci, Ol Faro, vol. 4), anno 6, 1838, p. 7, frig. 2. messina. Tryggrofieleens alcocki Goode and Bean, beanie Dehth., 1895, p. 126 (name bused n'altorbe 2/89/record. argyropelecus heathi Gilbert, Bull. U.S. Fish Comm., vol. 23, 1903 (1905), J. 601, pl. 72, Lig. 1. Kaiwi Channel, between hawi and holotai, in 350 to 355 fathoms. Fowler, hem. Bishop mus., Nol. 10, 1928, 7.35

Pergyropelecus intermedius Clarke, Trans. hew Zealand Inst., vol. 10, 1877 (1878), 7. 244, pl.6 (upper figures). Holsitika. - Waite, Records Canterbury hour, vol. 1, ho.1, lip. 25, 1907, p. 11 (reference). Depth 12/5 to 2; head 23/4 to 31/8, width 21/8 to 21/5. Unout 3 to 32/3 in head from snout tip; eye 2 to 2/2, greatly exceeds snout or very narrow interorbital; maxillary vertically inclined, reach 1/2 in eye, expansion 1/3 to 13/5 in eye, length 1 to 1 1/5 in head from snout tip; interorbital narrowly constructed bony ridge, very slender. Till rækers

11+12, slender, 1/5 in eye; gill felaments 3 in eye. Preorbital photophore close below nostrils; In cheek close above angle of preopercle ridge; 2 operculars, upper level with lower portion of orbit, lower close above and behind preopercle angle. Exper lateral photophores 8, second highest or little above lower opercular, third graduated up to eighth which at same level as first or both level with lower operentar; lower or ventral series 6 on isthmus before fectoral Lin, 12 abdominals between pectoral and ventral bases, of which I before pectoral base,

4 between ventral and anal, 6 over anal base and 4 at buses of lower rudimentary candal rays. D. II to 8, 7 to 10, first flexible ray 2 to 215 in total head length; a. 10 or 11, third ray 17/8 to 3; candal 11/5, well Forked; least depth of candal peduncle 3 to 4; pectoral 11/10 to 11/5; ventral 22/5 Largely bright silvery white. Back and upper surfaces usually with brownish. Dris gray white. Fins whitish. Atlantice, Pacific and Indian Decemp.

10143 U.S. N.M. hechterranean. C. L. Bonaparte. Academy hat. Hei. Philadelphia. Length 32 or 33 mm., without broken leandals. 40053 U.S.N.M. Italy, Florence huseum. Length 26 to 34 mm. 18 eyamples. 51632 U.S. N.M. Hawaiian Islands, Celbatross Station 4107. Length 35 mm. Type of argyropelecus healthi. 92244 U.S.N.M. Straits of messina. hulan huseum. Length 46 to 50 mm. E. L. Bonaparte 455. Dr. J. B. Wilson. Length 25 to 46 mm. Sexamples.

Orgyropelecus aculeatus Valenciennes Argyropelecus aculeatris Valenciennes, Hist. hat. Poiss., vol. 22, 1849, p. 406. Agores. _ Givnther, Cat. Fisher Brit. hus., vol. 5, 1864, p. 386 (copied). _ Lauvage, Hist. hat. madagascar, Poiss., 1891, p. 483, pl. 48, fig. 5 (Réunion). _ Lithen, Kon. Vansk. Vidensk. Selsk. Skr. Köbenhavn, ser. 6, vol. 7, 1892, p. 282 (5.32° F. 44° 10', Indian Ocean). _ Goode and Bean, Decanie Schth., 1895, p. 127 (compiled). -- Collett, Vidensk. Selsk. Forhandl. Christiania, 1903, ho. 9, p. 108 (azores); Jool. Angeiger, vol. 28, 1905, p. 726 (Agores). - Braner, deutsch. Tieftee Exped.

Valdivia, vol. 15, Tiefsee-Frische, 1906, p. 110, text fig. 47 (Collett's example). -Regan, Trans. Linn. How. London, ser. 2, vol. 12, Zvol., 1908, f. 219 (diagnosis in key). - murray and Hjort, Nepths of the Ocean, 1912, p. 612 (Gibralter to Gran Canaria, thence to Cape Bojador, Gran Canaria to Fayal, lizores to hewfoundland, 1215 to 2865 meters). - Jespersen, Rep. Danish Dreanogr. Exped. Medit., Heri, vol. 2, a. 2, 1908-10, f. 27. _ horman, Wiscovery Reps, vol. 2, 1930, p. 303 (5. 34° to 35° £. 10° to 16°, 250 to 1000 me ters).

? Argyropelecus acanthurus Cocco, Yiorn. Hei. Vicilia, vol. 26, 1829, ho. 77. Messina; Isis, vol. 24, 1831, p. 1342 (messina). Sternofityy acanthurus Valenciennes, Hist. hat. Poiss., vol. 22, 1849, p. 408 (reference). Sternofitychides amabilis lgilby, Froz. Linn. Nov. hew Youth Wales, ser. 2, vol. 3, 1888. (1889), p. 1313. Lord Howe Island. Argyropelecus amabilis Inc Culloth, Records Countralian hus., vol. 14, 1923, p. 118, pl. 14, fig. 3. Argyrofieleeux caninus Garman, hem. huns. Conffd. Lovel. 24 1899. 7.235. Indian Ocean off Port Louis Harbor, Mauritius. Argyropelecus olfersii (not Cuvier) Collett, arch. math. Ratturv. Christiania, vol. 19, 1897, no. 7, p. 14 (azores)

argyropeleeus aculeutus Valenciennes, Hist. hat. Voiss, vol. 22, 1849, p. 406. agores. - Güntker, Cat. Fishes Brit. mus. vol. 5, 1864, p. 386 (copied). _ Vanvage, Hist. hat. madagascar, Toist, 1891, p. 483, pl. 48, fig. 5- (Réunion). _ Goode and Bean, Oceanie Ichth., 1895, p.127 (compiled). - Regan, Trans. Linn, Voc. London, ser. 2, vol. 12, 3 ool., 1908, p. 219 (description in key). Argryropelecus acanthurus Valenciemes, Hist. hat. Pouss, vol. 22, 1849, p. 408.

Nepth 11/3; head 23/4. Snout 4 in head from snout tip ; eye 2 1/3, greatly exceeds snout; maxillary extends 12/5 eye diameters below eye, about opposite its center, expansion 1 % in eye, length subequal with head from snout tip; interorbital low. Lateral photophores & between pectoral and ventral, second highest, first next in height, others subequally low. Ventral server 6 before pectoral, 12 between pectoral and ventral, 4 above ventral before anal, 6 above anal, 4 at lower base of caudal. Une opercular spot below level of pupil. D. II, 9, sixth spine 2 in total head, Fifth ray 14/5; adipose fin 14/5; a. I, 6 - I, 5, third branched ray 2/2; Caudal 12/5; least depth of caudal

pedemole 3; pectoral 1/3; ventral 3 1/4.

Length to 55 mm. (horman.) lettantie Desan.

Aternopting offersie Cuvier, Regne animal ed. 2, vol. 2, 1829, p. 316. Atlantic Ocean. Sternofityx olfersie Wilben and Koren, Vet. Akad. Handlig, Stockholm, 1844, p.80, pl.3, fig.6. _ hilsson, Vkandinav. Fanna, Fisk., 1855, p. 486. Argyropeleeus olfersii Valenciennes, Hist. hat. Toiss., vol. 22, 1849, p. 408 (south east of Cape of Good Hope; between Canaries and Brazil). _ Lowe, Frow. Zool. Hoe. Landon. 1850. h. 247 (hradeira) V. Collett,

- Bleeker, haturk. Tijdsichs. Rederl. Indie,
vol. 71, 1860, p. 56 (reference).

Günther, Cat. Fishes Brit. mus., vol. 3, 1865, p. 386 (compiled). mag. hateurr. Christiania, vol. 29, 1884, p.

Aternopting offersie Cuvier, Règne animal, ed. 2, vol. 2, 1829, p. 316. Atlantic Ocean. Sternofityx olfersie Wilben and Koren, Vet. Akad. Handlig. Stockholm, 1844, p.80, pl.3, fig.6. - hilsson, Vkandinav. Fauna, Fisk., 1855, p. 486. Vergyropelecus olfersii Valenciennes, Hist. hat. Toiss., vol. 22, 1849, f. 408 (south east of Cape of Good Hope; between Canaries and Brazil). _ Lowe, Frow. Zool. How. Landon, 1850, p. 247 (madeira). L. Collett, Forhand. Vid. Helsk. Christiania, 1874, Tillaegsh., p. 149; 1879, ho. 1, p. 84; hyt mag. haturr. Christiania, vol. 29, 1884, p.

Sternofitychides amabilis Quilby, Proc. Kinn. Soc. hew Youth Wales, ser. 2, vol. 3, 1888
(1889), L. 1313. Lord Howe Island.

? Argyrofelecus caninus Jarman, hrem.
hus. Comp. Zool., vol. 24, 1889, L. 235.

102 (horway). - Lillieborg, Iveriaes - Günther, Ref. Voy. Challenger, vol. 22, 1887, 4. = 167 (off Capel Finisterrle). - Vaillant, Exped. Veil Travailleur et Talisman; Poiss., 1888, p. 104 (off Portugal, 950 to 1615 meters). 1892, p. 282 (N. 43 & 47° W. 23° to 27°). Vincignerra, letti Voc. Ital. Vci. hat., vol. 34, 1892, p. 331 (Canaries). _ Smitt, Hist. Handinavian Fisher, vol. 2, 1895, fr. 925, fig. 233. __ Youde and Bean, Oceanie Ichth., 1895, p. 126, pl. 39, fig. 148a (N.36° to 42° W.16° to 74°, 144 to 2069 fathoms; Grand Bunks). _ Regan, Trans. Linn. How. London, ser. 2, Jool., vol. 12, 1908, p. 219 (diagnosis in bey). - horman, Desiovery Rep., vol. 2, 1930, p. 304, fig. -12 (5. 0046 £7504915; 850 to 950 meters).

102 (horway). Lilljeborg, Sveriges horg. Fauna, Fish., vol. 3, 1891, p. 3. Litken, Kon. Dansk, Vidensk. Lelsk. Skrift. Köbenhavn, ser. 6, vol. 7, 1892, p. 282 (N. 43 & 47° W. 23° to 27°). Vincignerra, letti Voc. Ital. Vci. hat., vol. 34, 1892, p. 331 (Canaries). -Smitt, Hist. Handinavian Fisher, vol. 2, 1895, p. 925, fig. 233. _ Goode and Bean, Oceanie Ichth., 1895, p. 126, pl. 39, fig. 148a (N.36° to 42° W.16° to 74°, 144 to 2069 fathoma; Grand Banks). _ Regan, Trans. Linn. How. London, ser. 2, Jool., vol. 12, 1908, p. 219 (diagnosis in bey). - horman, Desiovery Rep., vol. 2, 1930, p. 304, fig. -12 (5. 0046 £7,5049'15", 850 to 950 meters).

Argyropeleeus olfersi Collett, Res. Camp. Lei. monaco, vol. 10, 1896, p. 127, pl. 3, fig. 14 (between Graciosa and Fayal, Gores).

- Jordan and Evermann, Bull. U. S. hat. hus.; ho. 47, fest. 1, 1896, p. 6014 (compiled).

- Branier, Deutsch. Trefsee Exped. Valdivia, vol. 5, Trefsel-Fische, 1906, p. 108, text fig. 46 (Gulf of Guinea); between hew amsterdam and Humatra, south of Cylon, west of Chagon Urchihelago). Sugmanser. Res. Camh. Vci. - murray and Hjort, Depths of the Ocean, 1912, p. 612 (Plymouth to Yibralter, thence to Gran Canarial, thence to Fayal, Rewfoundland to Ylasyow, 1215 to 4700 meters * Dep. agrie. Techn. Instruct. Ireland, Vci. Invest., ho.1, 1913, p. 20 (Inish attantice Alope, 380 to 700 fathous. _ Weber, Siboga Exped., vol. 57, Fische, 1913, p. 21

Argyropeleeus olfersi Collett, Res. Camp. dei. monaco, vol. 10, 1896, p. 127, pl. 3, fig. 14 (between Graciora and Fayal, Gores).

Jordan and Evermann, Bull. U. S. hat. hus., ho. 47, fett. 1, 1896, p. 604 (compiled).

Branier, Leutsch. Treffee Exped. Valdivia, vol. 5, Trefsel-Fischer, 1906, p. 108, text fig. 46 (Gulf of Guinea); between hew amsterdam and Humatra, south of Coylon, west of Chagon Urchipelago). - Jugmayer, Res. Camp. Vci. maro, vol. 35, 1911, p. 52 (N. 43°4'30"W. 19° 42'; N.44°19' W.11°19', 4900 meters, N.37°38' W.10°53, 49.00 meters), - Holt and Byrne, Dep. Legric. Techn. Instruct. Freland, Vci. Invest., ho.1, 1913, p. 20 (Inish attantice) Alope, 380 to 700 fathoms. _ Weber, Siboga Exped., vol. 57, Fische, 1913, p. 21

Family Hernofrtychidae

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(Banda Yea), 2798 meters). _ Weber and Beaufort, Fisher Indo Autral. Archipelago, vol. 2, 1913, p. 134, fig. 49 (Banda material). - Jespersen, Rep. Danish Deeanogr. Exped. medit., ho.3, vol. 2, a.2, lepril 5, 1915, p. 23. _ Roule, Rés. Camp. Hei. Monaco, vol. 52, 1919, p. 25 (south east-of Prico, between Tico and Hao Jorge, Francess alice Bank, Cape Finisterre, between Vortugal and Azores, off azores, 0 to 3500 meters. - Vaillant, Res. Camp. Hei. hande, vol. 52, 1919, p. 129 (N.36°54' W.20°46'15"; N.38° 53' W. 26°40'45", 1935 meters. _ Barnard, linn. Houth african mus., vol. 21, June 1925, p. 153 (off Cape Voint, 460 fathous).

Gonostoma gracile Günther, ann. mag. hat. Hist., London, ser. 5, vol. 2, 1878, p. 187. Nouth of Japan, 345 and 2425 fathoms; Rep. Voy. Challenger, vol. 22, 1887, p. 174, pl. 45, Lig. ((types). Argyropelecus lychnus Garman, men. mus. Comp. Zool., vol. 24, 1899, p. 234, pl. J, figs. 1-6.5.
0° to 10° W. 78° to 96°, 286 to 2232 Lathour, Gulf of Janama. Parr, Bull. Bingham Oleanogr. Collection, vol. 2, art. 4, det. 1931, p.17, fig. 5 (abdominal spines) (N. 24°7' W. 108°40', 286 fathoms; N.14°30'30"W.96°14',625 fathoms, N.11°5' W. 89°20'45, 300 fathous.

moderately emanginate; least depth of candal pertuncte 23/5 to 2 4/5ventral 13/5 to 13/4 / pertoral 23/5- to 2 4/5 in combined head and body to Randal base. Back nearly burnt umber tell level with eye, below paler or whitish. Each sealed on buck with pale gray white basal shot. Head paler or with drab. shades on preorbital, cheek and opercless, lower surfaces all dull brownish; everywhere variable Amall ocelli, sometimes as short bark or arch, but always with slightly darker brown border, on front take form of transverse bluish lines, but no marking on under surface of head. Iris yellowish brown. Balla with 3 or 4 series of underlæid fall ovoid spots. I funous dorsne musty, mottled with ill defined

lergyropelecus lichnus Townsend and hichols, Bull. Amer. mrs. hat. Hist., hew York, vol. 52, art. 1, may 16, 1925, p.11 (off Lower California, 491 fathoms). Argyropolecus caninus Garman, ham. hus. Comp. Zool., vol. 24, 1899, J. 235. Off Fort Louis Harbor, mauritius. Depth 1/3 to 12/5; head 24/5 to 3, width 13/4 to 2. Snout 24/5 to 3/5 in head from snout tip, eye 21/5 to 3, greatly exceeds snout or narrow interorbital, maxillary vertical, reaches opposite front eye edge to 12 in eye, expansion 12/5 to 2 in eye, length I in head from snout

tip, interorbital 3 in eye, rather low, with deep median growe. Gill rakers 6+10, lanceolate, slender, 1/4 in eye; gill filaments 7/3 gill rabers. Treorbital photophore below nortrils; I veiled on cheeks just above angle of preopercle angle or little above lower eye edge, lower larger just above rand close behind preopercle angle, 6 branchiertegal. Lateral series of photophores 8, second highest or level with lower opercular, first little lower or above pertoral fin origin, then others all

graduated lower to eighth; lower or ventral series as 6 on isthmus, 12 abdominals to ventral of which 1 or 2 before prectoral origin, 4 between ventral and anal, 6 above anal base and 4 on lower surface of Caudal freduncle D. III or VIII, 9, first flexible ray 2 to 2/4 in total head length; W. II, 10 or II, 11, first flexible ray 2 to 3; caudal 1 to 1'18, widely emarginate; least depth of caudal feduncle, 11/5-to 2; ventral 3 to 3/4. Largely brilliant silvery white. Batha and upper surface of head

brown. Iris gray to silvery white.
Fine all whitish. atlantie, Pacific and Indian Oceans. 3711. D. 5387. Bragatao Island Light (outer), S. 80° E., 27 miles (N. 12° 54' 40" E. 123° 20' 30"), between Burias and Luzar. In 209 fathoms. march 11, 1909. Length 35 mm. (C.), N. 11° W., 8.2 miles (N. 99/12'30" E. 123° 44'7"), between Vignifor and Bohol. In 405 fathoms. August 11, 1909. Length 45t mm. D. 5530. Balicarag Island (C.), N. 32° £., 4.3 miles (N.99/26'45" £.123°38'30"), between Lignifor and Bohol. Design Lugust 11,11909. Leng. Th 15 mm. D. 54.97. Bantigui Island, N. 64°W., 10 miles (N. 9°7'15" E. 124°59'30"), between Leyte and hundanao. In 960 Lathons. Mugust 3, 1909. Length 18 to 27 mm. Herandples.

D. 5437. Hermana mayor Light, .N. 69° E., 4.9 miles (N.15° 45' 54" E. 1190 42' 45"), west coast of Luzon. may 8, 1909. Length 13 or 14 mm. 2 examples. D. 5-457. Legaspi Light, S. 60° W., 5 miles (N. 13° /12' F. 123° 49'40"), east coust of kujon. In 146 fathous. June 8, 1909. Length 20 mm. D. 5246. Luban Island (N.), S. 58°W., 4.6 miles (N.6°29'15" £. 126°18'45"), Pacific Acean east of Mindana. May 15, 1908. Length 23 mm. N. 220 E., 11,25 D. 5184. Lusaran dight, Graplatiche miles (N.10° 18'30" F. 122'23'30"), beteveen Timay and hegran. In fathams. hartch 30, 1908. Length 19 to 20 mm. Den. D. 5/85. Luxaran Light, N. 33° E., 25, 50 miles N.10°5'45" \$ E. 122°18'30"), between Tanay and hegrow. In 638 fathours. martch 30, 1908. Length 15tmm. Poor example.

1906, p. 108, text fig. 46 (Gulf of Guinea). between hew Amsterdam and Sumatra; south of Ceylon; west of Chagor Urchipelago). - Weber, Viboga Exped., vol. 57, Fische, 1913, p. 21 (Banda Hea), in 2798 meters. Weber fand Beaufort, Fishes Indo hustral. archipelago, vol. 2, 1913, p. 134, fig. 49 (Bynda Hea material). Argyropelecus lychnus Garman, mem. mus. Comp. Jool., vol. 24, 1899, p. 234, pl. J, figx.1- t. X. Lat.0°- 10° W. Long. 78°-96°, in 286 to 2232 fathous. (Gulf of Tanama).) - 1. lelecus Caninus Gar ecanog hours.

vol. 2, art. 4, der. 1751, h. 17, N.24°7'W. 24.

286 fathems; N. 14°30'30"W. 96°14', 625 fathems; N. 14°30'30"W. 96°14', 625 fathems; N. 15' W. 89°20'45", 300 fathems).

D. 5500. Macabalan Point Light (mindanao), S. 20° F., 7,9 miles (N. 8°37'45" E, 124°36'45"), northern hundanao and vicinity. In 267 fathous. August 4, 1909. Length 11 to 25 mm. D. 5125. hogas Island (W.), S. 11° E., 24 miles (N. 10°) 48' E. 121° 48' 30"), Juliu Lea vicinity southern Ganay. In 411 fathoms. TFebruary 3, 190 b. Length 11 mm. 2 examples, I in very poor condition. D. 5227. Point Origon, S. 44° F., 18,30 miles (N. 12° 53' 45" F. 121° 52'30"), east of krindoro. In 322 fathous. may 5, 1908. Length 11-or 12 mm. 2 examples, in very pour condition. 3061. D.5447. Han higuel Vant, S. 7° W., 3.5 miles (N. 13° 28 / E. 123° 46' 18"), June 4, 1909! Length 43 mm. fathoms. D. 5120. Hombrero Island, S. 79°30'E., 19.2 miles (N.13°45°30" F. 120°30'15"), Balayan Day and Verde Island Fassage. In 393 Lathems! January 21, 1908. Kength 15th 20 mm.

4804 and 4805; D. 5368. Jayabas Light (outer), N. 32° W., 21. 8 miles (N. 13°35'30" E. 121°48'), marindugne Island and vicinity. In 181 fathous. February 23, 1909. Thength 32 to 41 mm. 33296 U.S.N.M. N.39°40'W.68°28'30". In 1467 fathoms, Albatross Station 2043, Length 60 mm. 33393 U.S.N.M. N.41040'30" W.65035. In 855 fathoms. Albatross Station 2075. Length 41 mm. 33495 U.S.N.M. N.42°22'W.66°23', In 144 fathoma. Albatrosa Station 2063. Length 23 mm. 35467 U.S.N.M. N.39°44'W. 70°3', In 1058 fathoms. Albatross Station 2195. Length 42 mm. 35534 U.S.N.M. N.39°33'71'W.16°15' In 1178 fathoms. Albatross Station 2208. Length 41 to 46 mm. 2 examples.

35561 U.S.N.M. N.39°34'45"W.71° 21'30". In 1080 fathous. albutross Station 2209. Length 38 mm. W. a. Wileoy. Length 45? mm. 38211 U.S.N.M. N.36°30'W.74°33', In 859 fathoms. Lelbatross Station 2728. Length 64 mm. 57885 U.S.N.M. albutrons & tation 3360 and 3392. Length 28 to 56 mm. les lirgyropeleeux 74336 U.S.N.M. Albutross Station 2565. Length 38 mm. 86124U.S.N.M. July of mexico. Grampus Station 10445 In 380 meters: January 25, 1917. Length 16 to 20 mm, 2 expansples.

Avgyropelecus sladeni Regan, Trans. Linn. Voc. London, ser. 2, vol. 12, zvol. 20.14, 1908, p. 218. Chagod Wrchipelago, Halomon, in 400 to 500 fathoms. horman, Discovery Rep., vol. 2, 1930, p. 304, fig. 13 (S. 0° to 15° F 10° to 11° or W. 0° to 20°, 125 to 700 meters). Depth 13/3 to 14/5; head 27/8 to 3/8. Anout 3 to 4 /4 in head from mout tip; eye 1/2 to 23/4, exceeds mont, maxillary extends 1/13 to 14/5 eye diameters below eye, reaches opposite eye conter, expansion 1 to 173 in eye, length 1 to 115 in head from snout tip; upper preopercular

spire small, well developed, directed outwards and backwards, lower more or less straight. above flower orbital edge. Lateral series 8, second highert, first next and others subequally low rentral series 6 on isthmust, then 2, before pectoral continuous with 9 or 10 to ventral, 4 between ventral and anal, 6 above anal and 4 at lower Candal base. Predorsal Africes 6, graduated up to last which 31/2 to 4 in Total head length; W. I, 8, third branched ray 2 to 21/4; adipose fin low, length 01/3 to 1/2; M. I, 10, second branched ray 31/4 to 31/4; candal 11/8; least depth Neandal pedinche 24/5; pectoral 11/10; Voentral 3. (horman.) Length 28 mm. horthand Houth Atlantic, Cintarctic and Indian Decans.

Benus Polyipmus Günther Polyipmus Günther, Rep. Voy. Challenger, vol. 22, 1887, p. 170. Type Tolyipmus sprinosus Timther, monotypic. Knout very short. Eye large. mouth cleft vertical, rather small, bordered above by slender premazellaries, which followed by posteriorly expanded maxillaries. mandible received within upper jaw. Bands of minute teett on premaxillarier rand mandible in series on maxillary. Vimilar teeth on vinner. Preopercular spine Atrong. Thing ridges on head and belly. Gill rabers rather long.

Gill opening wide, membranes free from isthmus, delicately united. Branchiertegals 9 to 11. Body covered with large, extremely thin, deciduous scales. Luminous organs before, behind and below eye, on opercle, between branchiostegals in groups along isthmus, ventral elge, between ventral and ranal, above and behind anal, above and behind pectorals. Dorral origin nearly median. Adipose fin low. Ainal begins at last third in

Aubgenus Tohjipmus Günther A pines on head short or obtuse, little developed. I hotophores large and conspicuous.

Polyipmus tridentifer he Culloch, Biol. Results Endeavour, vol. 2, pt. 3, July 3, 1914, p. 87, pl. 16, fig. 4, text fig. 4. Great Australian Bight, in 350 to 450 fathems. - Waite, Records buth Custral. mus, vol. 2, ho.1, 1921, p. 43, fig. 63. Tolyipmus spunosus (not Günther) Barnard, linn. Houth african mus, vol. 21; June 1925, J. 155 (part). Depth 13/4; head 23/4. Inout 41/2 in head from snout tip eye 2, greater than most; maxillary extends 73 an eye diameter below eye, opposite front elye edge, expansion 14/5 in eye, length 11'14 in head from smout till, jaibs with anterior teeth granular exteriorly, premaxillariet with depressible biserval teeth anterworty; several irregular

vomer, for 2 small teeth on front end of palatines, strong spine at preoperche dryle, post-temporall end in 3 very lærge spines each side, upper langtest and lower bent downward. Lower gill rabers 12, slender. Below eye on cheek luminous organ large at public. Epper opercular photophore close behind hind eye 'edge medially, lower spot littlet abbove and tothind preoperate angle. Lateral series 7, Third and seventh highest on extend trifle above level of luminous body on theele, seemd next, then others all gradually smaller from first, Sourth until siteth. Lower for ventral series 6 or 7 on isthmus, 10 from isthmus to ventral of which 3 before pectoral fin, 5 between venttral and anal, then level with third and seventh laterals 20 to candal base (of which 13 over anal). Q. III, 11, first branched ray 2 in total head length; adiport

fin low, length 43/4; le. III, 14, first branched ray 21/6; candal 11/3; least depth of candal pedemole 34/5; pectoral 17/5; ventral Back blackwish brown, with minte darker specks. Small black triangle déscends until level with upper ledge of pupil. Imall irridescent blackish spot before lye and upper part of operate black. Eye brownish black, pupil surrounded by golden ring. Photophores strongly defined with black. Kength 93 mm. (mcCulloch.) Great Australian Bight.

Polyipmus stereope fordan and Harley Polyipmus stereope fordan and Harbs, Bill. U. Y. Fish Comm., vol. 22, 1902 (1904), p. 581, pl. 2, Lig. 3. Hagami Bay, Japan. Tolyphous springer (not Gunther) Barnard, ann. South african must, vol. 21, June 1925, p.155 (part) 1 Defith 13/5; head 24/5, width 14/5. Twout 4/2 in head from snout tip; eye a 18, greatly exceeds anout or interorbital; mayillary reaches 14 in eye, expansion 1 1/4 in eye, length 1/4 in head From anout top; interorbital to, nather low, depressed.

Tonostona elongatum Günther Gonostoma elagatum Günther, ann. mag. hat. Hist, ser. 5, vol. 2, 1878, p. 187. Nouth of hew Tuinea, in 800 fathoms; Rep. Voy. Challenger, vol. 22, 1887, p. 173, pl. 45, fig. B (type; off Banda, in 360 fathoma). - Alleocke, lun. Mag. hat. Hist., ser. 6, vol. 8, 1891, p. 127 (near Laceadive) Islands, in 738 fathoms, ser. 6, vol. 10, 1892, p. 354 (near Laccadives mi 1200 fathoms); Journ. Asiat. How. Bengal, vol. 65, pt. 2, 1896, p. 331 (compiled). _ Braner, Deutsch. Trefsee Exped, Valdivia, vol. Trefsee-fische, 1906, p. 75, text fig. 27, pl. 4, fig. 4 (Gulf of Guinea), west

and concave medially; opercular spine 13/4 in eye. Will trabers 10+18, finity lunceolate, subequal with gill filamente or 1/4 in eye. Treorbital photophore opposite middle of front eye edge, cheek with large photophore, nearly large at jupil, in tower line of preopercle; 2 operculars, upper opposite middle of hind eye edge, lower just behind and above preopercle angle. Epper lateral series of photophores 8, first higher Thun others except third and seventh, Third level with lower eye edge, fourth to a isthe quadwelly lower with fourth

nearly level with lower opercular. and sixth lower than first ventral, seventh nearly level with third, eighth little higher than lower opercular; lower or ventral series as 6 on isthmus, 10 abdominals before ventrals of which 2 at least before prectoral origin, 4 betweenventral and anal, 17 from above front of ranal to candal D. I, 13, therid ray 2 3/3 in total head length, adipose fin 3, la. 15, fiftheray 5, candal 13/4?, damaged,

fifth ray 5, candal 13/4?, damaged, slightly emerginate behind; least depth of candal peduncle 23/5;

pectoral 11/5; ventral 21/3. Back brown, with 2 narrow triangular brown fronts invading silvery white of side and extending at least to lateral line or level of lower fufil edge. Dris gray. Under swifuces of body with grayish about photophores. Fins whitish. differing in the dark triangles of the back extending down lower or to the lateral line. The occipital spines also shorte, not extending over 14 to soft dorsal origin. In Polyipment spinosus I find them variably extended much further or even quite to spine at front of dorsal. Ayhe.

pectoral 11/5; ventral 21/3. Back brown, with 2 narrow triangular brown fronts invading silvery white of side and extending at least to lateral line or level of lower fufil edge. Dris gray. Under swifaces of body with grayish about photophores. Fins whitish. differing in the dark triangles of the back extending about bother or to the lateral line. The occipital spines also shorte, not extending over 14 to soft dorsal origin. 51451 U.S.N.M. Nagami Bay, Japan. Albutross Station 3698. Length 58? mm., candal brothen. Type.

Cramer, Frow, U. J. hat. Mus., vol. 19, 1896, p. 416 (Hawaiian Islands, in 298 fathoms). - alcock, Mescr. Cat. Weep Sea Fishes Indian hous, 1899, p. 137 (off andaman Islands). _ Braver, Deutsch. Tiefsee Exped. Valdivia, vol. 5, Trefsee-fische, 1906, p. 120, text figx. 64-66, pl. 7, fig. 3 (west coast of Sumatra). north east coast of teprica; in 37/ to 1362 metera). - Weber, Librga Exped., vol. 57, Fische, 1913, p. 22 (Bali, Flores, Coleber Teax, Inolucca Passage, manipa Strait, Ceram, Banda, Timor Veas, in 828 to 2477 meters). _ Weber and Beaufort, Fisher Indo Austral Verchipelago, vol. 2,

1913, p. 130, fig. 47 (machura, Bali Veax, macassar Vtrait; molucea Passage, Mrafura, Timor Hear, in 287 to 538 metera. - Gilchrist and Von Bonde, Fisher. marine Biolog. Hurvey Houth africa, Rep. ho.3, 1922 (1924), ho.7, p.9/off Cape morgan and hatal Coast, 174 to 306 fathams). - Barnard, linn. Youth lifreean mus., vol. 21, June 1925, p. 155, pl. 8, fig. 2 (compiled).

Depth 13/4 to 14/5; head 23/4 to 24/5, width 17/8 to 2. Smout 41/5 to 41/2 in head from snout tip, eye 2 to 2/10, greatly exceeds snout or interorbital; maxillary vertical, reaches eye, expransion 13/4 to 17/8 in eye, length 1 15 to 12/5 in head from snout tip; interorbital 4 to 5, low, depressed medially opercular spine half of eye. Will rakers 5 + 13, lanceolate, little longer than gill filaments or 12/5 in lye. Large luminous body en lower preopercle limb below eye, equally large as fupil; 2 operculars, upper opposite eye center, lower just above

level of preoperate angle; 5 branchiostegals. Epper laterals as 8, of which first above pectoral fin, second slightly higher, third level with lower eye edge, fourth to sixth slope down posteriorly all lower than first and seemed and sixth about level with pectoral fin origin, seventh level with third, eighth level with first; lower or ventral series 6 on interorbital before pectoral fin, 10 abdominal little before pectoral buse to ventral origin, 4 between ventral and anal, then 18 from over anal origin to candal. D. II, to V, 13 or 14, fifth flexible

ray 2 in total head; hea well forbed, lobes sharply frinted; least depth of candal pediencle 3/3 to 32/3, pectoral 11/3 to 13/5; ventral 2/3 Largely brilliant silvery white. Back with dark brown of rather narrow extent and 2 dark brown triangles invading silvery white till level with upper legeredge. Fins whitish. Indian and Tucifie Aleans!.

T. L. J. J. J. C. Land (Co), cont Word, Circulation of the second of t 179 1990 in agril i to je miner i jegangerik. 57 to 85 mm. 5 examples. 3777. D. 5388. Bagatao Island. Light (outer), S. 86° F., 21 miles (N. 12°51'30" F, 123°26'15"), between Burias and Luzon. In 226 fathoms. trarch 11, 1909. Length 70 mm. D. 5-260. Balanja Point, N. 28° W., 7.20 miles (N.12° 25' 35" F. 121° 31' 35"), off southeastern hundors. In 234 fathoms. June 3, 1908. Length 48 to 18 mm. 80 examples. 4381, D. 5261. Balanja Voint, N. 80°W., 6. miles (N. 12° 30' 55" £, 121° 34° 24"), off southeastern mindoro. In 145 fathoms. June 4, 1908. Length 40 mm.

4149. D. 5537. Repo Island (C.), S. 46° W., 8.7 miles (N.9°11' E, 123°23'), between hegross and Hignifor. In 254 fathoms. August 19, 1909. Length 57 to 85 mm. 5 examples. 3777. D. 5388. Bagatao Island. Light (outer), S. 86° Et, 21 miles (N. 12°51'30" F. 123°26'15"), between Burias and Luzon. In 226 fathoms. trarch 11,1909. Length 70 mm. D. 5260. Balanja Voint, N. 28° W., 7.20 miles (N.12° 25' 35" F.121° 31' 35"), off southeastern hundors. In 234 fathoms. June 3, 1908. Length 48 to 18 mm. 80 examples. 4381, D. 5261. Balanja Fornt, N. 80°W., 6 miles (N. 12° 30' 55" £, 121° 34° 24"), off routheastern hundors. In 145 fülkoms. june 4, 1908. Length + Common .

macolor vermicularis new species Depth 21/5 to 2 2/5; head 23/5- to 23/5, width 2 to 21/8. Unout 21/2 to 3 3/5 in head from snout tip, eye 3 2/5- to 5-14, 1/15 to 2 in snout, 1/3 to 2 18 in interorbital; maxillary reaches 14 to 2/5 vir lye, exprantion 12/3 to 23/4 in eye, length 215 to 214 in head from snout tip; teeth fine, in 7 or 8 sirregular little stefined rows in jaws, with the less concealed in corraceous life; outermost now of teeth in each jour little larger than any of others and with age directed outward, though basally also largely concealed by thick lips 'small patch of fine teeth in viner and narrow band in each pulatione; interorbital 2 2/5to 24/5, convex; preoperche with objecte und minute serral, deep narrowly

D. 5198. Balicarag Diland, S. 6 E., 10, 25 miles (N.79/40"50" E, 123° 39'45"), vicinity western B. Lot. den 220 fattemer. April 9, 1908. Length 51 to 76 mm. Fexamples. D. 5363. Cape Hantiago Light, S. 79°W., 4.5 miles (N. 13° 47' 20" E. 120° 43' 80"), Bulancian Con, Infant. In 180 Furthern February 20, 1709 dength 1-7 to mon! il aganifiles. I. 1-201. China Vea, vicinity Hong King (N. 20°37' E. 115°43'). In 208 fathoms. lugust 8, 1908. Length 28 to 6/mms. 17 examples. D. 5317. China Year, vicinity the there (N. 2136 'E, 119°27'). In #430 futhoms. november 6, 1908 Length 64 to 67 mm. 4 éjamples.

12564, 17322. Lear Talag Bay, Lugan. June 16, 1909. Length 197 to 223 mm. 7946. Pagaflar Bay, Luzon, February 20,1969. Length 255 nam. 15515. Palag Bay, Luzon. June 16, 1909. Length 228 mm. 6369. Port Jamelo. July 13, 1,908. Length 174 mm. 13274. Rapurapu Island, Luzon. June 22, 1909. Length 155 mm. 14793. Nablayan, mindoro, December 12 1908. Length 188 mm. 4644. Tamburn Higambul, Tonquil Island. September 14, 1909. Length 200 mm. 4977. Tataan Island, Tawi Vawi Group. February 21, 1908. Length 214 mm. 6433/. Tilio. July 14/1908, Length 233 mm. 13124, Powate Harbor, makey and Skand. hovember 28, 1909. Length 133 mm. Length 140 mm. ,

5777 and 5778. D. 5563. Danmi I sland (N.), N. 79° W., 6.1 miles (N. 5° 48'12" E. 120° 30' 48"), between Jolo and Jawi Jawi. In 224 fathoms. September 21, 1909. Length 44 to 49 mm. 1791. D. 5270. Escarceo Light, S. 9° E., 4.25 miles (N. 13° 35' 45" E, 120° 58' 30"), Verde Island Passage and Batangas Bay. In 235 fathoms. June 8, 1908. Length 60? mm. 10074. D.5291. Escarceo Kight, N. 39°W., 2.20 miles (N. 13°29'40"E, 121°00' 45"), China Hear vicinity southern Length 56 mm. 22906. D. 5292. Exerceo Light, N. 36° W., 3.25 miles (N.13°28'45" E.121°1'/2"), China Sea, vicinity southern Lugar. In' 162 fathoms. July 23, 1908. Length 69 mm.

Example de la lea, dirabial, Jimpibar, maldives, East Indies, Philippines, Polynesia. Govery striking find highly contrasted fish, well figured by Bleeker and Weber. 7686. Aggjo Voint, Catanduanes Island, Luzon. June 10, 1909. Length 185 mm. 6514, 12993. Allibijaband sland, Ragay Gulf, Luzon. hearch 6, 1909. Length 155 to 198 mm. 8072, 17766. Allimango Bay, Buries Island. march 5, 1909. Length 218 to 260 mm. 18999. Cagayan, Vulu. June 8, 1909. Length 19:0 mm. 7734. Carpingan Island, Balabac. January 2, 1909! Length 265. 7231. masinloc Bay, Zambules. hovember 22, 1908. Length 290 mm. 8047, 15101, 15102. Inompog Island. march 3, 1909, Length 176 to 263 mm.

D.5293. Escarced Light, N.590N., 6 miles (N.13°28'15" F, 12104'30"), China Hear, vicinity southern hugan. In 180 fathours. July 23, 1908. Length 28 to 52 mm. 6 examples. D. 5549. Jolo Kight (Jolo), N. 80° E., 15.8 miles (N. 6°1'15" £, 120°44'20"), Jolo Island and withinty. In 263 Luthons. Neptember 17, 1909. Length 43 mm. D. 5626. Kayoa I sland (S. E., S. 50 N., 6.7 miles (N.C° 7° 30° E, 127° 29) between Gilloto and Kayou Islands. In 265 fathoms. hovember 21, 1909. Length 68 to 85 mm. Coeyamples. 2984. D. 5419. Lauis Foint Light, N, 27° E., 17.8 miles (N.9° 58'30" E. 123° 46'), between Cebu and Bohol,
In 175 fathems - huarch 25, 1909,
Length 53 mm.

slightly enlarged denticles. Till rathers 40 + 75 f compressed, nearly long ast snout; gill filaments 3/3 in gill rathers. Acales 52 or 53 in luteral line to Candal buse and 5 or 6 more in latter; 9 reales above Kateral line, 19 or 20 belfor, 23 or 24 predorsal, 6 ropers on cheela. Tripraseapula wealfly denticulate. Acates with 11 to 15 busul radiating strial; aprical denticles 12 to 120, with 3. to 14 transverse series of busul elements, cærculé very fine. D. Z, 13, I, third spine 23/4 to 3 in total head length, seventh ray 17/5-to13/5; a. III, 10, I, third spine 3, fifth ray 12/5; candal 1/15 to 1/14, moderate, emarginate; least depth of candal peduncle the 1/3 to 2 4/5; ventral 12/5-to 13/5; pertoral 23/5to 2 1/5 in combined head and body

D. 5589. mabul (NW.) N. 3°W., 2,8 miles (N.4°12'10" E. 118°38'8"), Sibulas Bay, Borneo and vicinity. In 260 fathous. September 29, 1909. Length 78 mm. 1616. D. 5590. mabul Island (NW.), N. 22° W., 4.3 miles (N. 4° 10'50"E, 118° 39° 35"), Libutso Bay, Bornes rand vicinity. In 310 fathoms. Veptember 29, 1909. Length 80 mm. D. 5500. macabalan Frint Light (mindanao), S. 20° F., 7.9 miles (N. 8° 37'45" F. 124°36'45"), northern mindanao and vicinity. In 267 fathoms. August 4, 1909. Length 22 to 26 mm. D. 5501. Luacabalan Foint Light (hundanao), S. 35° E., 8.2 miles (N. 8° 37' 37" E. 124°35'), northern hundanao and vicinity. In 214 fathans. August 4, 1909. Length 34 to 62 mm. 4 examples.

Wepth 2 1/4 to 2 1/5; head 2 3/5 to 2 2/3, with 2 1/8 to 2 /3. I what 2 1/5 to 3 3/4 in head From snout tip, eye 3/4 to 41/5, 1 to 1/2 in snoutt, 1 to 13/5 in interorbeital. maxillary reaches 2/5 to 1/2 in eye, expansion 2/to 2 2/5 in eye, length 2/8 to 2 /2 in head from mout tip; teeth villeform, in bunds in jawa of about Tirregular rows, with outer fow of slightly enlarged teeth of which only tips project through thick conaceous lips. with 4 above and 6 below us slight commen, all directed slightly outward; narrow bound of small teeth in women forming/wide angle, also narrow band in each pulatine and tongue smooth; interorbital 2 3/5 to 3 1/5 in head, broudly conver, preoperce with deprogrash receiving interopercular spine, hind edge finely servate and comer with

D. 5502. macabalan Foint Light (mindanao), S. 35° £, 8. 2 miles (N. 8° 37'37" E. 124° 35'), northern hundanao and vicinity. In 214 fathoms. August 4, 1909. Length 46 to 68 mm. 17 examples. 3163, D. 5503. macabalan Foint Light (Mindanao), S. 31° £, 6.6 miles (N. 8°36'26" E. 124°36'8"), northern hundanao and vicinity. In 226 fathome. Length 45 to 68 mm. 76 examples. 2823 pand 2824. D. 5621. Makeyan Island (S.), N. 54° W., 3 miles (N. 0°15' E. 127° 24' 35"), between Tillolo and makeyan I slands. In 298 fathoms. hovember 28, 1909. Length 68? to 76 mm.

Lea; Umboina). - Hayfair, Fishes of Fanzibar, 1866, p. 14 Banzibar. aden). _ Schweltz, Catt. mux. Godeffroy, ho. 4, 1869, p. 13 (Kandavu). _ heyer, anales Voc. Españ. Hist. hat. hadrid, vol 14, 1885, p. 10 (horth Celebes) Tabukan, Vangi). - Elera, Cut. Farma Fylip, vol. 1, 1895, p. 465 (Cebw, Vamar; Borngum). mesoprion macolor Ginther, Journ. hurs. Todeffrog, vol. 1, pt. 1, 1873, p. 11 Litjanus macolor Bleeker, lettar Ichth. Dud, heerl., vol. 8, 1876-17, p. 75, pl. (65) 343, fig. 3/ Celeber, Burn, Ternate, Aneborna, Haruko, Banda, Waigur, hew Tuniea). hudolow typur Bleeker, hederl. Tijds. Dierla, Jobl. 2, 1867, p. 277. amboina.

2866 to 2868. D. 5367. malabrigo Light, N. 81° F., 8 miles (N. 13° 3 4'3 7" E. 121° 7' 30"), Verde Island Passage. In 180 fathoms. February 22, 1909. Length 60 to 73 mm. 10056. D. 5280. Malavatuan Island (N.), S. 60° W., 6.10 miles (N. 13° 55' 20" E. 120° 25' 55"), China Vea, vicinity southern Luzaw. In 193 fathans. July 17, 1908. Length 59 mm. 10094. D. 5281. Malavatuan Island (N.), S. 84° W., 4. 30 miles (N. 13° 52' 45" E. 120°25'), China Vea, vicinity southern Luzon. In 201 fathous. July 18, 1908. Length 62 mm. 5700. D. 5267. matocot Point, S., 39° £., 5, 50 miles (N. 13° 42'20" £. 120° 58'25"), Verde Island Turrage - and Butangas Bay. In 170 fathans. June 8, 1908. Length 60 mm.

Diacope migra Cuvier, Hist, Lat. Voist. vol 2, 1828, p. 431 (on Forskal). __ Riippell, hour Wirbelth. Fische, 1835, p.93, pl. 24, fig. (Wiedda). - Klunginger, Verhandel. zorl. bot. Gesell. Wien, vol. 20, 1870, 7.696 (Koseir, Red Hea). Genyopoge migra Günther, Cat. Fisher Brit. hund., vol. 1, 1859, L. 176 (Red Yea).
Thund, hiem. For. Physique Hist. bat. Geneve, vol. 27, 1881, L. 2706 maintain).
Therefore miger klunzinger, Fische Roth. heer., 1884, p. 11 (Kosein). diacope macolor Lesson, Bull. Vci; hat, Ferussac, vol. 12, 1827, p. 138, hew Guinea. - Cuvier, Hist. hat. Poiss., vol. 2, 1828, p. 415 (hew Guinea). _ Lessow, hiew. Hoe. Hist. hat. Paris, bol. 4, 1828, p. 409 (Worey Harbor, how Guinea); Voy: Coquille, Zool, vol. 2, pt. 1, hovember 13,1839, p. 230, pl. 22, fig. 2 (Norey Harbor). Genyoroge macolor Günther, Cut. Fisker Brit. mus., vol. 1, 1859, p. 170 (molucca)

D. 5265, hatorot Voint, Luzan, S. 17° £, 3.30 miles (N.13°41'15" £,120° 00°50"), Verde Island Fassage and Batangar Bay. In 135 fathoms. June 6, 1908. Length 34 mm. D. 5268. matocot Point, S., 50° E., 5.80 miles (N. 13° 42 'E. 120° 57' 15"), Verde Island Tarrage and Batanyag Bay. In 170 fathours. June 8, 1908. Length 50 to 63 mm. Ce examples. 10048. D. 5269. hatorot Point, 5.,54° E., 3 miles (N.13° 39'50" E.120° 59'30"), Verde Island Gassage and Batangar Bay. In 220 fathoma. June 8, 1908. Length 51 mm. D. 5288. Inattorot Foint, Luzon, S. 20° F., 5.70 miles (N. 13° 43'30" F. 1210), China Year, vicinity southern Luzon. In 140 fathoms. July 22, 1908. Length 10 to 11 mm. 3 examples.

harder miger (Forskal) Meinena myra Forskull, Meseript. ammal. 1775, pp. 11, 47. Wiedda, Ked Hea. __ Bonnuterre, Tabl. Ichth., 1788, p. 123 (Red Hea). _ Gmelin, Fyst. hat. Linn., 1789, p. 1300 (arabia). _ Walloumi, lirtedi Pirc., vd. 3, 1792, 7/308 (on Forsbul). Lutianus niger Ychneider, Kyst. Icht. Block, 1801, p. 326 (araboa). Lutjanus migra Way, Fisher of India, Nuppl., 1888, p. 783 (maldiver). Lutzanus niger Way, Furna British India, Fisher, vol. 1, 1889, p. 405. _ Weber, Viboga Thed., vol. 57, Fische, 1913, p. 25-3, pl. 12, figs. 1-2 (Brinongha, Banda). ___ Fowler, hem. Bishop hur, vol. 10, 1928, p. 203 (compiled).

45-46. D. 5593. hrt. Putri (sea tangent) Borneo, N. 52° N., 17, 2 mules (N. 4° 2'40" £. 118° 11'20"), Vibula Bay, Borneo, and vicinity. In 38 fathous. September 29, 1909. Length 72 mm. D. 5-645. horth Island (NE.), S. 10° W., 1.6 miles (S. 5°29'6" E. 122°36'6"), Buton Atrait. In 206 fathours. December 16, 1909. Length 36 to 50 mm. D.5336. Abservatory Island (N.), S. 42° W., 9 miles (N.11°37'45" E.119°46'), Linapaean Vtrait. In 46 fathoms. December 18, 1908. Length 60 to 80 mm. . 18 examples. 5746. D. 5171. Amapui Island (W.), S. 22° W. 12 miles (N.505' E.119028'), Sulu archipelago, vicinity Sibutu Island. In 250 fathoms. February 28, 1908. Length 47 mm.

Caninet of each faw we were ted analysis of the species a. Coloration greatly contrasted, back blackeish brown with several white blotcher; head whitish, with end of muzzle and broad vertical band wide as eye blackish, lower half of body whitish, except blackish longitudinal band from pertoral axil back through middle of tail, find largely a. Wark brown, most every scale with gray or blue spot, edged darker, on head often forming vermiculations; find largely dustry

D.5190. Pereador Island, S.9° E. 10.70 miles (N.10°8'15" E.123°16'45"), Tanon Atrait, east coast of hegrow. In 295 fathous. Afril 1, 1908. Length 45 mm. D. 55-18. Print Tragolo Light, S. 640 W., 8.7 miles (N.8°48'E. 123°31'), northern hundanas rand vicinity. In 200 fathous. August 9, 1909. Length 68 to 77 mm. Ce examples. 1366. D. 5179. Romblon Light, S. 56° E., 4.50 miles (N.12° 38'15" E. 122°12'30"), vicinity Romblow. In 37 fathans. march 25, 1908. Length 51 mm. 3936 and 3937. D. 5221. Van Andreas Daland (W.), S. 27° F., 5. 50 miles (N. 13°38'15" E.121°48'15"), between marinduque and Luzon. In 193 fathoms. april 24, 1908. Length 60 to 65 mm.

of head not extending forward of occiput. Healer all finely ctenorid, largely in slightly oblique neries, become more korgontal below lateral line or axial line of body. Fins all with fine scales, ut least busally. Norsal with 10 spines, soft fin well pointed behind. Amal with 3 spines, toft Fin like toft downl, with 10 branched rage. Candal emarginate, lobes wide. Hectoral very long. Ventral shorter, not quite reaching anal This gener, associated with hutgamen Block, if distriction without thingle the its fine, line, minerous yill rentoers, to the number of 75 on the lower branch of the first wich. It is firstly thankering by the deep preopercular gash received an interopercular spine which directed forward. letro the small front

D. 5 222. Han Andreas Island (W.), S. 57° F., 9.20 miles (N.13°38' 30" F. 121° 42' 45"), between marindugue and Luzan. In 195 fathoms. april 24, 1908. Length 52 to 57 mm. 5 examples. D. 5592. Vilungan Island (M.), N.1° W., 6.4 miles (N.4°/2'44"£,118° 27'44"), Libutso Bay, Dorneo and vicinity. In 305 futhours. Veptember 29,1989. Length 48 to 58 mm. 2 examples. 4535. D. 5569. Himaluc Island (S.F.), S. 8° W., 6.4 miles (N. 5033'15" F. 120°15'30"), north of Jawi Jawi. In 303 fathous. September 22, 1909. Length 45 mm. 4550. D.5113. Vombrero Island, S. 7° W., 9.50 miles (N.13°51'30" F. 120°50'30"), China Vea off southern Luzon. In 159 fathoms. January 17, 1908. Length 63 mm.

Genus macolor Blegher hurdon Blecker, Wit. Hort Vci, Ind. Leerl. (Celeber), vol. 8, 1860, p. 25. Type harolow typus Bleeker = thereope macolord Curier, tautotypic. Fromblyg Gill, From and. hat Voi. Thiladelphia, 1862, p. 236. Type Mircope myra Cuviers minotispié. Body deep, well compressed, both elevated. Head large, obtuse in profile. Inout rather skort. Tyl lange, high. hrouth large, jawa nearly equal or lower slightly frotruded. Conner small, largely concealed in thick, connectus life, as & above and 6 below, of which former usually larger and all directed forward. Comer and palatines with narrow band of fine teeth. Fair of small with set nostrils each side of mout. Preopercle with deep gust, receives strong interopercular offine. Agrimation

D. 5116. Vombrero Daland, N. 69° E., 2.50 miles (N.13° 41' E.120° 47' 05"), Balayan Bay ravid Verde Island. Passage. In 200 fathours. January 20, 1908. Length 32 to 76 mm. 4/ examples. D. 5118. Hombrero Deland S. 47° E., 10 miles (N. 13° 48' 45" F. 120° 41' 51"), Balayan Bay and Verde Island Tarrage. In 159 fathoms. Length 61 to 65 mm. D.5287. Nombrero Island, N. 68° E., 11.25 miles (N.13°37'40"F,120°39'), China Vea, vicinity southern Luzon. In 379 fathoms. July 29, 1908. Length 32 to 40 mm. 4290. D.5662. Vana Keke Island (W.), N. 17° W., 15.5 miler (S. 5°43' F., 119°18'), Flores Hear. In 211 fathoms. December 21, 1909. Length 67 mm.

check and lower surface of head rong printa, though realer without brighter spots or centers. Front half of soft dorsal und unal blackish brown. Durk or blackwish brown blotch in outer end of upper candal lobe and deep brown ut fin base above. med of upper candal tobe and narrow edge of lower one below pink. Pertoral will brown, busak parts of rays. orange, rest of fin rory pints. Ventruk frinks burully,

4806. D.5368. Tayabas Light (outer), N. 32° W., 21. 8 miles (N. 13°35'30" E. 121° 48'), marindagne I sland and vicinity. In 181 fathoms. February 23, 1909. Length 26 mm. D. 5372. Tayabas Light (outer), N. 3° W., 4.5 milles (N. 13°49' 12" F. 121°36'9"), marindugne I skund and wicinity. In 150 fathoms. February 24, 1909. Length 50 min!. D. 5374. Tayabax Light (onter), N. 9° E., 7. 4 milel (N. 13°46' 45" E. 121° 3518"), humindagne Island and vicinity. In 190 fathoms. hurch 2, 1907. Lingth 42 to 72 mm. 12 unplease. 2291. Length 5 - to 65 mm, sexampiles.

27,601 U.h. V. V. U.C. Harrison and H. L. Hiller. Length 143 mm. When fresh in arrack rich rose frink. Broad deep brown band from occipiet, through eye und silvey till it mout to front of maxillary; Frontal space of yourral rong pink like general body colors. unother bund never body from spinous dorant in Front, extends verote fin to ventraly touther also from your dorral posteriorly down, back and oblighely nerver ite of candal pedincle out ver dower candal tobe till including vlackish brown vuter ray i at their tips tibulomen und space tretween paired fruit deep brown, Each siable of body marked with finds spot, forming striped inplearance. striper all Klightle obligare, due to folkoning in skule courses. Chest,

44429 U.S.N.M. Andaman Hea. Investigator Collection. Indian huseum, Length 53 mm. 47720 U.S.N.M.M. 1009.6,157°53' albatross Atation 3476. Length 53 mm. 986131 U.S.N.M. Gulf of mexico. Grampus Station 10482. march 23, 1917. Length 28 mm.

5-151, 7305. Dolo market. march 6, 1908. Length 144 to 174 mm. 56229 U.S.N.M. Luzon. Bureau of Fisheries. Length 118 mm. 5-8019/U.S.N.M. Zamboanga. Dr. E. a. mearns. Length 240 to 305 mm. 2 examples. 84256 U.S.N.M. Zambounga. dr. F. Baker. Length 220 mm.

Polyiphus laternatus Garman Tolyipmus laternatus Garman, Ivem. mus. Comp. Zool., vol. 24, 1899, p. 238. Blake 280, off Barbadoes, 221 fathous. - horman, Discovery Rep., vol. 2, 1930, p.305, fig. 14 (N, 13°25°W, 18°22', 900 meters).

Polyipmus spinorus (not Ginther) Goode and Bean, Decanie Ichth., 1895, pl. 39, fig. 148.

coast of Humatra, in 677 meters.

- Weber, Hibogas Exped., vol. 57, Fische 1913, 17 Flores and Banda Yeas, in 1600 to 4477 meters. _ Weber and Beaufort, Fishes Indo Tinstral . Archipelago, vol. 2, 1913, p. 122, fig. 45 habove materials. Gonostoma elongata Fowler, mem. Bishop mus., vol. 10, 1928, Jr. 34 (compiled). Cyclothone elongata Goode and Bean, Oceanic Dohth., 1895, p. 101, pl. 32, fig. 119 (type of Sigmops stigmaticus; littantie materials). _ Uleock, Cat. Deep- Hea Fisher Indian Mus., 1899, p. 139 (near Laccadive Islands, in 738 to 1200 fathoms.

Defth 13/5; head 22/3. Smout 41/4 in head from snout tip; eye 2 1/4, greater than snout; maxillary extends 1/4 an eye diameter below elge, expansion 1/13 in eye, realcher offorte front eye edge, length 115 in head from Snout top; Interorbital low. Large luminous body on cheela directly below eye above preoptele lint. Opercular photophore close behind middle of hind eye edge and apparently another behind treopercle spine. Epper lateral series 8 between pectoral and ventral, third highest, second and seventh next at same level, first little lower, then fourth and eighth level and fifth and sixth subequally lowest. Ventral series 6 on isthmust, to between pectoral and ventral, 4 between ventral and anal then Belevated level with first and second of lateral series before and over frant of anal fin, then 3 and 5 over anal fin and finally 4 small close set ones at candal balse.

D. 14, third ray 21/2 in total Lead length; adiptre fin low, length 4; A. 16, fourth ray 3 3/4; Candal 113; least depth of candal fedurale 3; pectoral 114; ventral 3. Back dark, with V-skaped extension down level to middle of eye. Length (horman.) Mittantic, West Indies. horman says it differs from Volyipmus port-temporal spines, presence of palatine teeth and arrangement of postabolominal photophores.

Tolyphous nuttingi Gilbert Polyipmus muttingi Gilbert, Bull. U. V. Fish Comm., vol. 23, pt. 2, 1903 (1905), p. 609, pl. 73. approach to Pailolo Channel between holokairand hani, in 297 to 324 Lathoms; off Oahw; Kanav; in 216 to 324 Lathoms. - fordan und fordan, hiem. Carnegie hus., vol. 10, ho. 1, 1922, p. 9 (reference). - Fowler, mem. Biskop hux., vol. 10, 1928, 7.34 (cotypes; alika, Hawaii). Tolyipmus spinoons (not Gunther Gilbert and Cramer, Frow. U. S. hat. hus, vol. 19, 1897, p.416 (h. Lat. 2109'W. Long. 157053°, in 298 fathoms), - Braner, Deutsch. Tiefsel Exped. Valdivia, vol. 5, Tiefsel-fische, 1906, p. 120 (part). -Barnard, Ann. Houth african hux., vol. 21, June -1925, p. 155 (part).

Depth 13/4 to 14/5; head 31/5-to 31/3, width 12/3 to 2. Snout 31/2 to 7 in head from snout tip; eye 2 to 2 75, greatly exceeds snout or interorbital, maxillary reaches 15 to 13 in lege, expansion 12/3 to 17/8 in eye, length 11/2 to 13/4 in head from snout tip; interorbital 44/5 to 6, low, depressed medially; opercular spine short, 1/3 of eye. Gill rakers 6 to 8 + 14 to 16, subequal with gill filaments or hof eye Heales 3 in median lateral series, 9 transversely. Healer thin, transparent, simple, very caducous or mostly fallen.

Preorbital photophore close to front orbital edge medially; check with large photophore, lettle less than pupil, little higher than lower opercular and opposite middle of eye or nearly median en cheek, 2 operculars, upper level with upper pupil edge and close behind orbit, lower below upper and level with lower hind maxillary end. Eipper lateral series 8, first and eighth nearly at same level and but little below lower opercular, fourth only slightly lower than first, second slightly higher or level with lower opercular, fifth and sixth lowest

of series or but slightly above pectoral origin, third highest or level with lower eye edge and seventh but slightly lower though little above level of shot on cheeks; lowers or ventral series with 6 on isthmus, 10 abdominal before ventral of which 2 before pectoral base, 4 between ventral and anal, 11 above anal base and 4 on lower surface of candal freduncle before rudimentary candal D. I to III, 11 or 12, fourth branched ray 13/4 to 2 in head, adipose fin 21/5 to 21/3; a. II, 13 to 15, first branched

ray 24/5 to 3; candal 11/8 to 11/2, well forbed; least depth of candal peduncle 3 to 3 18; pectoral 13/4 to 14/5. ventral 21/4 to 3? Dark brown above, with narrow V-lebe extension midway invading silvery white of flanks until down opposite level of lower eye edge. Hides and lower surfaces bright silvery white. tilbdomen and under farts largely dustry to blackish, with photophores golden. Dris silvery gray. Fins all whitish. Pacific Relan.

51593 U.S.N.M. Hawaiian Sslands. Albatross Station. 4102. Length 47 to 85 mm. 33 examples. Paratypes. 51599 U.S.N.M. between Wolobai and Mani, In Lathons. Albutross Stateon 4088. Length 83 mm. Type.

triangular auch above corner at hmidledge. Till raksers 3/ to 40 + 63 to 75, very fine, compressed, elongate, 1/13 in snout; gill filaments 'h of gill rabers. Healer 57 or 53 along above Lateral line To candal buse and 13? more on latter; tubular scales 47 or 48 in lateral line to caridal buse; 9 or 10 scales rabore lateral line, 20 or 21 below, 22 to 24 predorsal forward to occuput, 7 or 8 rows across cheeks. Heales with 11 to 21 Housal radiating strial impical denticles 135 weak obsolete proints, with 6 transverse series of busal elements, circuli, fine. D. X, 11, I, fourth spine 2 3/4 to 3 in total head length, seventh ray 12/5 to 13/5; le. III, 10, I, thered spine 2 1/8 to 3 1/5, fifth ray 12/5 to 11/2; candal 11/5-to 11/4,

Type Polyipmus fraseri new species Body deep, strongly compressed. Head very large, compressed. Eye greatly enlarged, supero lateral, elevated. mouth vertical, terminally superior, mandible with short spine at symphysis. Teeth in fank ovry minute. Keeifietal spinis very ling, extend beyond Front. I torsal. Freoperche angte with a divergent spring. Thotophores rather small, lower opercular experially modified spheroid within gill opening and the andla

in 2 small restricted groups. Coloration largely whitish or silvery white. Diagnosis. Deffers from subgenus Tolyipmus chiefly in its greater spiniferous armament and Comparatively smaller and less developed photophores, especially the wollen lower opercular within the fill opening. akav 805, spine, Tolyipmus.

Polyipnus fraseri new species. Depth 13/5; head 23/5, width 2. Snout 5 in head from snout tip; eye 14/5, greatly exceeds snout or interorbital; maxillary vertical, hind upper edge extends 15 in eye diameter, expansion 2 in eye, length 1 14 in head from smout tep; interorbital 4 1/2, low, deeply depressed Coneautly; preopercle ends in 2 spines, of which lower larger or half of eye; oreignet with pair of long springs overreaching dousak fin anteriorly, each with 2 widely divergent smaller spinet basally. Gill rathers 7+13,

lunceolate, slender, lettle longer Than gill filaments or 13/4 m eye. Heales apparently present in life, all now fullen and portsets. indistinct. Very small and inconspicuous photophore at middle of front eye edge; rather large photophore on middle of cheeks below center of eye; 2 openculars, upper opposite middles I hund eye redge, lower as larger spheroid just within gill opening behind posterior directed smaller preoperate spine, 6 close set branchistegal photophores, anterior;

lateral series on body 8, fourth lowest though little above fectoral fin origin, fifth progressively higher, then first little higher than fifth, second little higher than first, third highest or nearly level with lower eye edge, right level with seemd, seventh level with lower eye edge and eighth level with photophore on checks; lower or ventral series as 6 on isthmuss, crowded and remote from 10 abdominals Lutich 2 anterior Conceated in lateral view by spineseent striate bony wing like expansion below

pectoral base, 4 ventrals between ventral and unal Jink, chuster of 4 small shots above posterior base of anal and 4 in lower surface of candal peduncte close before rudimentary candal rays! De. 10, first ray 3 1/3 in total head length, no adepose fin, a. II, 9, seend simple ray 3/4, Candal 11/5, deeply forbed; least depth of candal peduncle 31/8; fectoral 11/6; ventral 2 1/5? Color largely pake brown to whitish, sides and below silvery white. I ris silvery white to

grayish. Dark brown band at occuput. another similar at predorsal extending below nearly level with lower eye edge and below front of dornal gives off whort obligne triangle directed toward middle Fanal fin while another extension along anal base about 2/3 its extent. Except few realtered dark spots on eandal feduncke, Chiefly above, no other dark warbings. Photophores silvery. Find all whitish.

Chiefly in the description of the subjenus. Its cotoration, combination and arrangement of photophores unlike entirely untike those in any other member of the family. Type ho. U.S. N.M. 2462. D. 5476. Van Bernardino Light, S. 37° W., 13. 5 miles (N. 12° 56'24" F. 124° 25' 24"), east Coast of Luzon. In 270 fathoms. June 24, 1909. Length 51 mm?